

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF BUSINESS MD 3 AND CRAINMONT DRIVE IN ANNE ARUNDEL COUNTY. BUSINESS MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THE PROJECT IS NECESSITATED BY THE CONSTRUCTION OF A NEW ENTRANCE ON NORTHBOUND BUS. MD 3 OF CRAINMONT DRIVE .SIGNALIZATION WORK WILL CONSIST OF THE INSTALLATION OF CONDUIT, WIRING AND DETECTORS.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH THE BUSINESS MD 3 APPROACHES OPERATING CONCURRENTLY AND THE CRAINMONT DRIVE APPROACHS OPERATING CONCURRENTLY.

EXCLUSIVE LEFT TURN PHASES EXIST FOR NORTHBOUND AND SOUTHBOUND BUSINESS MD 3.
TURN OVERLAP PHASE EXISTS FOR VETERANS HIGHWAY.

CONCURRENT PEDESTRIAN PHASES EXIST ACROSS THE EAST AND WEST LEGS OF CRAINMONT DRIVE AND ALTERNATE PEDESTRIAN PHASES EXIST ACROSS THE NORTH AND SOUTH LEGS OF BUS. MD 3.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

SPECIAL NOTES

1) NO EQUIPMENT WILL BE SUPPLIED BY THE SHA ON THIS PROJECT

PHASE CHART

PHASING WILL NOT CHANGE

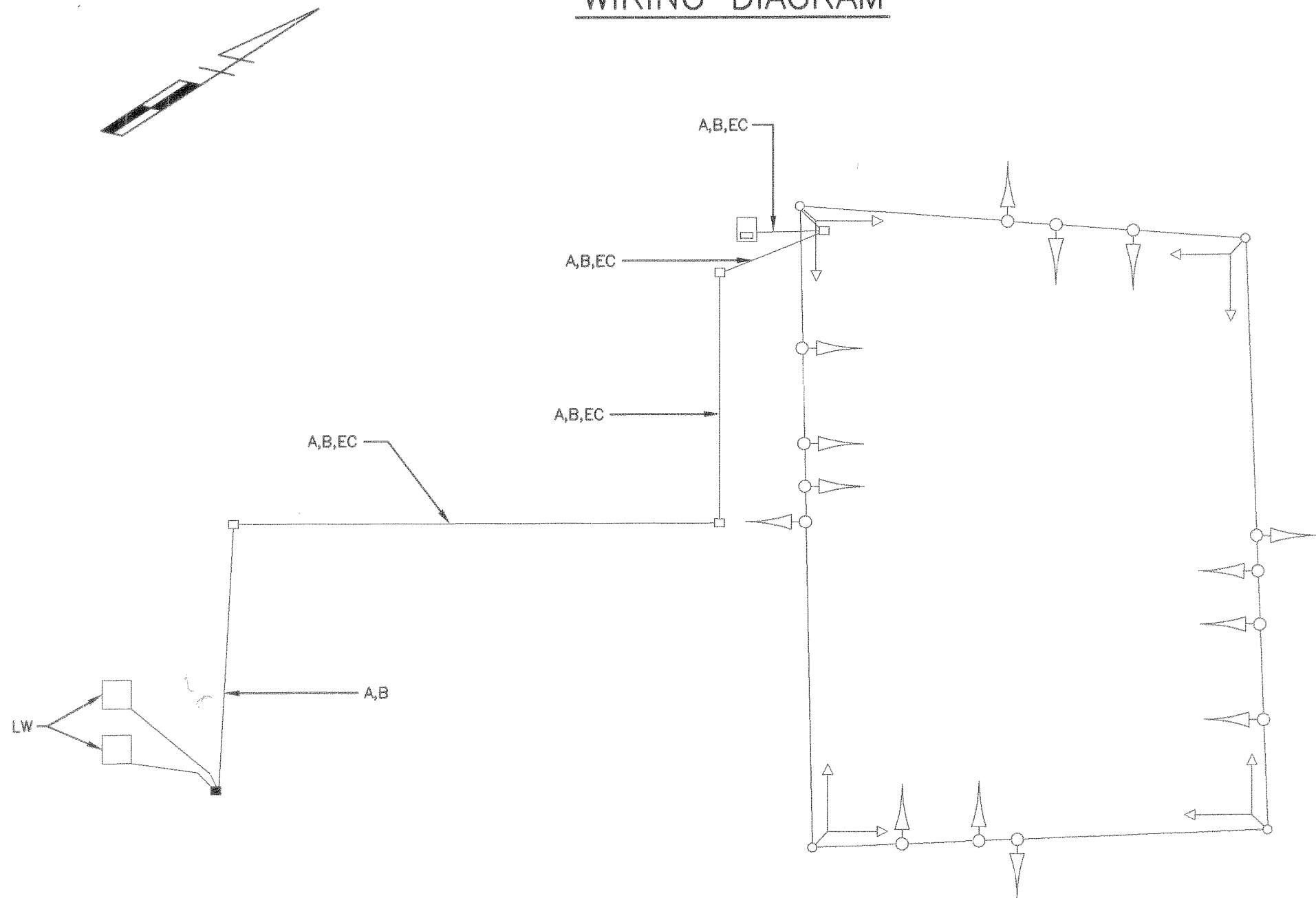
EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8021	100 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	10 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT -- DETECTOR SLEEVE
8025	60 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT (SLOTTED)
8033	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	300 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	900 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE -- 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.)

NOTE: ITEM NUMBERS CORRESPOND TO MSHA AREAWIDE CONTRACT

WIRING DIAGRAM




WIRING KEY

- A } 2-CONDUCTOR ELECTRICAL CABLE
- B } (ALUMINUM SHIELDED) NO. 14 A.W.G.
- EC } EXISTING CABLE
- LW } LOOP WIRE (NO. 14 A.W.G.)

TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS	<div> MARYLAND DOT – STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET BUSINESS MD 3 AND CRAINMONT DRIVE</div>			
	ASSISTANT DIVISION CHIEF				
	ASST. DISTRICT ENGINEER, TRAFFIC				
	CHIEF, TRAFFIC ENG. DESIGN DIV.				
	DIR., OFFICE OF TRAFFIC & SAFETY	DATE: 8-7-98	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN SHEET NO.:
		SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO. BW996M82	TS-1550D GI
		APPROVED BY: [Signature]	CHECKED BY: K. SCHMID	COUNTY ANNE ARUNDEL	SHEET NO. 2 OF 2